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# GENERAL CATALOG

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1926

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PLANT *and*  
SHRUB  
SECTION

RALPH E. HUNTINGTON  
NURSERIES

PAINESVILLE  
OHIO

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# About Huntington's Nurseries

For over twenty-five years this nursery has specialized in the stocks offered here. Our years of dealing with the professional florist and market gardener, has given us an acquaintance with the needs of this trade second to none. Each item offered has been selected through an intimate knowledge of its source, of the habit, growth, color, hardiness, and general fitness for the place for which we recommend it. The buyer for the private garden should not hesitate to plant varieties that his florist has proven best from his own experience.

## OUR GUARANTEE

We guarantee each and every item in bulbs and plants to be true to name, fresh, clean stock, and to be large enough to bloom and bloom well the first season. We guarantee all seeds fresh and true and to show good germination.

## PRICES

All prices herewith are cash with order. No goods sent C. O. D. unless accompanied with half the purchase price. Stocks will be held for future delivery on the same terms unless otherwise specially specified. The price per each holds good in all cases where one plant of one color or variety is ordered. Should twelve plants of different colors separate, or of different varieties be ordered, the price per each will hold good. Six of one separate variety may be ordered at the dozen rate. Twenty-five of one color or variety may be ordered at the hundred rate.

## SHIPMENT AND CARRIAGE OF GOODS

All seeds are sent postpaid, all Gladioli and Dahlias at the one or dozen rate will be sent postpaid.

When ordering plants, please specify whether by mail prepaid, or by express collect. Most of our plants are heavy, and the largest should go out by express. When ordering by express a discount of 10% may be taken, which will more than pay for delivery.

## OUR POLICY

All orders will receive our best attention and judgment at all times. If we are to stay in business we must have your trade and good will, and we're ready at all times to do our part toward retaining both. Should your order not come up to expectations in every respect, it will be taken as a favor if you will write us at once.

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# Hardy Perennial Plants and Shrubs

During the past few years the demand for perennials has increased so rapidly that the average grower has not been able to keep up with the demand. The plants are used by the hundreds in every garden, and some varieties find their greatest usefulness in floral establishments where they are worked into formal designs.

In many cases the average hardy garden or border suffers from an unwise selection of perennials. *Digitalis*, the Michaelmas Daisies, or the Hardy Chrysanthemums, deserve a prominent place, but they should not be used to the exclusion of others equally good.

The plants which are offered in this list are field-grown and are wintered outdoors in the extremely cold winter climate which we have along the shores of Lake Erie.

Not less than six plants of one variety at the dozen price. If one of each of six different varieties is ordered, the single price will be charged.

Prices per each, per three and per dozen by mail postpaid. Per hundred, by express collect. We are able to send larger plants by express and if requested will do so in whatever quantity.

**ACHILLEA (Milfoil or Yarrow).** One of the prettiest plants in the entire perennial list. Splendid for cutting.

**Perry's White.** The finest and largest flowered Achillea. The very double flowers often reach one inch in diameter. Each 20c, per three 50c, per doz. \$1.50, per 100, \$8.00.

**Boule de Neige.** An improvement on the popular Pearl. In habit this variety is erect instead of spreading, as in Pearl, making a much neater appearance. Each 15c, per three 40c, per dozen \$1.25, per hundred, \$6.00.

**Filipendula.** Somewhat similar to *Millefolium Roseum*, but taller, and flower heads are yellow. Easy and free. Good for cutting. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Millefolium Roseum (Rosy Milfoil).** Finely cut deep green foliage; pink flowers in dense heads, and borne all summer. 18 inches high. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Tomentosa (Wooly Yarrow).** Very dwarf, dark green, finely cut foliage. Flat heads of bright yellow, flowers in late June. Fine rock plant. 12 inches. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

## ACONITUM.

**Fisherii.** Foliage of deep green, so glossy and thick that the leaves resemble varnished imitations. Deep blue hooded flowers on thick stems in fall. Cut flowers will last for days in water. 12-18 inches. Very good subject for partial shade. Each 30c, per three 80c, dozen \$2.00, one hundred \$15.00.

**Napellus, Sparks Variety,** 5-6 ft. Strong and hardy. Requires staking when grown singly. Deep blue. Very free. Each 40c, per three \$1.00, per dozen \$3.

**AGROSTEMMA (Rose Campion).** Erect, stiff growing plants, with silvery foliage, showy, flat flowers in June and July. 2 to 3 ft. Each 15c, per three 40c, dozen \$1.25, one hundred \$6.00.

**ANEMONE JAPONICA (Wind Flower).** Large well opened flowers in soft shades. One of the very latest hardy plants to bloom. Fine for border or cutting. 2 to 3 feet.

**Queen Charlotte.** Semi-double, soft pink.

**Whirlwind.** Double white.

Any of above, each 30c, per three 80c, dozen \$2.00, one hundred \$15.00.

**ARABIS ALPINA (Rock Cress).** Very dwarf sheets of pure white, flowers in early April. Fine rock plant. Each 15c, per three 40c, dozen \$1.25, one hundred \$6.50.

**ARENARIA Montana.** A dwarf, growing in close tufts. Very orderly. Fine for borders or rockery. Flowers white. Each 30c, per three 80c, per dozen \$2.50.

**AJUGA (Reptans).** A useful plant for rockeries or for ground cover in sun or shade, as under trees where grass will not grow. Large spikes of purplish blue flowers in May. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

## ALYSSUM.

**Saxatile Compactum (Basket of Gold).** Indispensable for the border. Produces masses of broad heads of yellow flowers in spring. Each 15c, per three 40c, dozen \$1.25, hundred \$7.00.

## ANTHEMIS (Hardy Marguerite).

**Tinctoria.** A very satisfactory summer-blooming perennial. Daisy-like flowers of clear yellow, July. Each 20c, per three 50c, dozen \$1.50.

**ANCHUSA.**

**Italica, Dropmore Variety.** One of the most important hardy plants of recent introduction. It is remarkably free-flowering, coming into bloom with or very nearly with Delphinium, and covers itself with pretty blue flowers about 1 inch in diameter. Rather rank in growth, attaining a height of 5 to 6 feet. We recommend it very highly. Strong field roots. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Myosotidiflora.** A dwarf, very hardy sort from Russia. Bloom resembles a giant Forget-me-not. Fine for cutting or rockery. Each 50c, per three \$1.25, per dozen \$4.00.

**AQUILEGIA (Columbine).** The distinct, clear-cut foliage and delicate arrangement of colors in the flowers of Columbine make it a showy and desirable hardy garden plant; especially suitable for rockwork, at the base of foundation walls, and under trees. May, June. All varieties, unless noted, each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Alpina Coerulea.** Deep blue, large flowers.

**Alpina Superba.** Deep blue and white.

Both these Alpine varieties are very hardy and strong, and will stand up under conditions that would kill the long spurred sorts.

**Canadensis.** The native Columbine, with bright red and yellow flowers.

**Chrysantha.** The Golden Spurred Columbine.

**Chrysantha Alba.** Long-spurred, white.

**Coerulea.** The dainty Rocky Mountain Columbine; blue and white.

**Double Mixed.** A fine color selection of the hardiest of all Columbines.

**Nivea Grandiflora.** White, double.

**Long-spurred Hybrids, Mrs. Scott Elliott's Strain.** Large, open flowers of mauve, straw, yellow, rose, shell-pink, lavender, pale blue, purple, etc. Splendid for cutting. We consider this the best strain in cultivation.

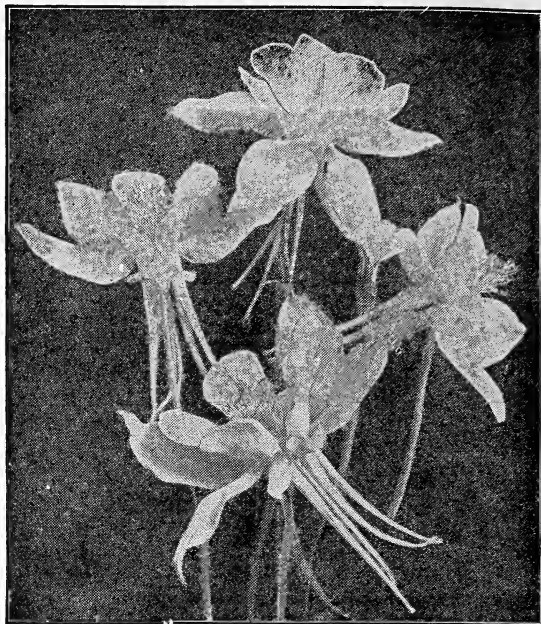
**Selected Pink Shades.** These are selected plants, taken while in bloom from a seed block of Mrs. Scott Elliott. Colors range from pale shell pink to deep rose with yellow underlay. Each 35c, per three \$1.00, dozen \$3.00, one hundred \$20.00.

**ARMERIA (Thrift).** Attractive dwarf plants that will succeed in any soil, forming evergreen tufts of bright green foliage, from which flowers appear in dense heads on stiff, wiry stems about 9 inches high. Very effective in rockery or border. June, July. All varieties, each 20c, per three 50c, dozen \$1.00, one hundred \$9.00.

**Maritima Splendens.** Bright rosy pink.

**Formosa.** Flesh to deep rose.

**Laucheana.** Bright pink; taller than Formosa.



AQUILEGIA LONG SPURRED

**ASCLEPIAS (Butterfly Weed).**

**Tuberosa.** Flowers brilliant orange on stems 2 feet high. One of the most gorgeous of American flowers and should be in every collection. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**ARTEMISIA.**

**Lactiflora.** Grows 4 to 4 1-2 feet tall; dark green, finely cut foliage. In bloom with us from August 15 to October 1, and simply covered with many-branched panicles of fragrant white flowers. Fine for cutting with other flowers or for use alone in large vases. The finest perennial plant of recent introduction. Field clumps. Each 25c, per three 60c, dozen \$2.00, one hundred \$12.00.

**ASTERS (Michaelmas Daisies).** Among the showiest of our late-flowering hardy plants. Most of them are native of the northern and middle states, and will grow freely anywhere. Price, except where noted, each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Amellus Preziosa.** Large, spreading heads of rich purple flowers, from late August until frost. 18 inches. Each 30c, per three 80c, dozen \$2.50, one hundred \$15.00.

**Climax.** A new variety with light lavender-blue flowers, from late August until October, 5 feet.

**Climax White.** Same as above except color.

**Mrs. F. W. Raynor (Nova Anglae Type).** Nearest red of any hardy aster. Not a new variety, but very scarce. Each 30c, per three 80c, dozen \$2.50, one hundred \$15.00.

**ASTERS—Cont'd**

**Feltham Blue.** The finest blue Aster. Pale sky-blue flowers, with large yellow centers, simply cover the plant. 2½ feet.

**St. Egwin.** About the height and as formal in growth as the well-known Fire plant. Foliage deep green. In September the plant simply is covered with flat, open flowers of dull pink. One of our most useful border perennials. Award of Merit, Royal Horticultural Society, London.

**Japanese, Double.** Small white blooms with a brilliant yellow center. As double as Achillea, Boule de Neige. Fine for cutting. Each 30c, per three 80c, dozen \$2.50, one hundred \$12.00.

**Mauve Cushion.** Very dwarf; free blooming. Delicate soft mauve. Extra-fine late-blooming border plant. Each 30c, per three 80c, dozen \$2.50, one hundred \$12.00.

**Novae-Anglae.** Bright purple; extra-large flowers. 4 feet.

**Tartarica.** Purple; a most showy, large bloom. 4 feet.

**BAPTISIA AUSTRALIS (False Indigo).** A strong growing, bushy plant with attractive, deep green foliage. Forms a large clump, with spikes of deep blue flowers in June. Very hardy and easy. 2 to 3 feet. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**BOCCONIA CORDATA.** A noble, hardy perennial, beautiful in foliage and flower. Being rather heavy, it is especially suitable for use with shrubbery in borders, or in bold groups. It thrives anywhere, and attains a height of 6 to 8 feet. Creamy white flowers, in terminal panicles, borne in July and August. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**BOLTONIA (False Chamomile).** Large, single, aster-like flowers, in bloom during summer and autumn. Its thousands of flowers open at one time, producing a very showy effect. Useful for cutting or decorations. Field-grown clumps, each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Asteroides.** Pure white; very effective. 5 to 7 feet.

**Latisquamae.** Pink, slightly tinged lavender, 4 to 6 feet.

**BUDDLEYEA.**

**Variabilis Magnifica.** A fine new addition to our summer-flowering shrubs. Blooms in terminal spikes, deep lilac in color, and very fragrant. July to frost. Each 30c, per three 80c, dozen \$2.50, one hundred \$18.00.

**CAMPANULA**

**Carpatia (Carpathian Harebell).** A pretty, compact species, not exceeding 8 inches high. Flowers 1 inch in diameter. Blue or White. July. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**CAMPANULA—Cont'd**

**Medium (Canterbury Bells).** Blooms in July; height 2 to 3 feet. Three colors, Rose, White or Blue. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.

**Calycanthemum (Cup and Saucer Canterbury Bells).** Same as medium except that each flower is set in a small saucer. Rose, White, Blue. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Persicifolia (Peach Bells).** Grows 1½ to 2 feet high. Salver-shaped flowers. Two colors, Blue or White. July, August. Each 30c, per three 80c, dozen \$2.50, one hundred \$18.00.

**Pyramidalis (Chimney Bellflower).** Very conspicuous; 4 to 5 feet high. Salver-shaped blue flowers borne profusely in September. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Rotundifolia (Blue Bells of Scotland).** Finely cut foliage, slender, fragile stems with little clear blue bells. Persistent bloomer. A fine rock plant. Each 30c, per three 80c, per dozen \$3.00.

**HARDY DOUBLE CARNATIONS.** 90% doubles, fine color range from white to deep chocolate, picotees, yellows and yellow grounds. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Alwoodii.** A new perpetual flowering type of carnation. Larger than the D. Plumaris, stems longer and more stiff. Offered as a hardy perennial, but it looks and acts more like a hardy biennial. Mixed colors, from white through pinks to deep rose. Each 30c, per three 80c, per dozen \$2.75.

**CASSIA.**

**Marylandica.** A bushy plant growing from 3 to 4 feet high. Large panicles of bright yellow flowers in July and August. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**CATANANCHE.** Low growing plants, with pretty flowers about 1½ inches across, on clean, stiff stems. Fine for cutting. This belongs to the everlastings. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Coerulea.** Light blue.

**Alba.** White.

**CENTAUREA.**

**Montana.** Fine border plant, with large corn-flower-blue flowers in August and September. 2 feet. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Alba White.** Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Macrocephala.** Large thistle like heads of bright yellow flowers. Useful for cutting and for tall effects in the hardy border. July to September. 3 to 4 feet. Each 30c, per three 70c, dozen \$2.00.

**CERASTIUM (Snow-in-Summer).**

**Tomentosum.** Pure white flowers in May and June. 6 inches. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**CHELONE (Shell Flower).**

**Lyonii.** Heads of purplish rose flowers. Each 30c, per three 70c, dozen \$2.00, one hundred \$10.00.

## POMPOM CHRYSANTHEMUMS

Small-flowered "Mums" are very popular, as they are the only perfectly hardy ones we have, and give showers of bloom long after frost in the fall, after most other flowers are gone. Field plants, each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

### OLD TIME VARIETIES

We offer the old time, well known, really hardy sorts in four colors, White, Yellow, Pink, and Red. In bloom in October and November. Mixed or separate colors. Each 20c, per three 50c, per dozen \$1.50, per 100 \$9.00.

### CHRYSANTHEMUMS OF LATER INTRODUCTION

**Bronze Button.** Button-like flowers of solid bronze.  
**Boston.** 1 inch flowers of yellow, with bronze disc.  
**Firelight.** Carmine, shaded Garnet. A fine red.  
**Lucifer.** Reddish Bronze, button.  
**Little Bob.** The smallest bronze button.  
**Excelsior.** Yellow.  
**Stanley.** Deep pink.  
**Mrs. Phillips.** Single pink, very free.  
**Pink Doty.** A fine rose pink, very double.  
**Gypsy Queen.** Large, solid bronze.  
**Eva.** Rather dwarf, well rounded plant. Pink.  
**Pink Caprice.** Combination of light and dark pink.  
**Oconto.** The best white.  
**Indian.** Combination of red and bronze.  
**Marie Antoinette.** Fine rose pink, large.  
**Purple Caprice.** Purplish lavender.  
**Lilac Caprice.** Lilac pink.

### CIMICIFUGIA.

**Racemosa.** A fine native perennial with spikes of pure white flowers in July and August. A fine plant for naturalizing in woods. Each 25c, per three 70c, dozen \$2.00.

### COREOPSIS.

**Lanceolata Grandiflora.** The perfected strain of a long popular hardy plant. Flowers are rich golden yellow, borne in great profusion nearly the entire summer. Each 20c, per three 50c, dozen \$1.00, one hundred \$5.00.

**Verticillata.** An old garden favorite. Plant with finely cut, very ornamental foliage, symmetrical as Kochia, 18 inches tall, with yellow flowers, in bloom from June to frost. Each 25c, per three 60c, dozen \$2.00, one hundred \$8.00.

**DELPHINIUM (Larkspur).** Indispensable in the herbaceous garden. Their long, showy spikes of flowers persist from June till frost and furnish the most satisfactory blues to any color scheme. Strong field plants.

**Chinense.** Fine stems and deeply cleft foliage; flowers showing all lighter shades of blue. 18 inches. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

### DELPHINIUM—Cont'd

**Belladonna.** The freest and most continuous bloomer of all, never being out of flower from the end of June till cut down by frost. Clear, turquoise-blue. When flowers fade the stems should be cut off to insure continuous blooms. Strong field roots. Each 15c, per three 40c, dozen \$1.25, one hundred \$6.00.

**Bellamosa.** This is so superior to Formosum that we have dropped the latter. A sport from Belladonna, pure dark blue, with all the everblooming qualities of Belladonna. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Finest English Seedlings.** From selected named stocks. All will bloom this season. Tall sorts. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

### DESMODIUM (Sweet Pea Shrub).

**Penduliflorum.** A true herbaceous plant, but by fall it has made a bushy plant from 3 to 5 feet tall. Simply covered in September and October with wine-red, pea-shaped bloom. Very ornamental at all times. Each 30c, per three 80c, dozen \$3.00, one hundred \$20.00.

### DIANTHUS BARBATUS (Sweet William).

**Johnson's Giant.** The finest of the Sweet Williams; immense flowers in gorgeous shades. Each 20c, per three 50c, dozen \$1.50, one hundred \$5.00.

**Diadem.** Crimson with white eye; dwarf. Each 20c, per three 50c, dozen \$1.50, one hundred \$6.00.

**Newport Pink, Double White or Scarlet Beauty.** Each 20c, per three 50c, dozen \$1.50.

**Latifolius Atrococcineus (Everblooming Sweet William).** In bloom from early June to frost. Brilliant crimson; double; fine for bedding or cutting. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**DORONICUM Caucasicum.** One of the earliest spring bloomers. Sunflower-like flowers of yellow, on long, clean stems. Splendid for cutting or for the border. Each 50c, per three \$1.25, per dozen \$4.50.

### DICENTRA (Dielytra).

**Eximea (Plumy Bleeding-Heart).** A dwarf growing sort, with beautiful finely cut foliage and showy racemes of pretty pink flowers throughout the season. Too much cannot be said for this fine border plant as it is equally at home in full shade or sun and perfectly hardy everywhere. Bailey's "Encyclopedia of American Horticulture" says in description: "The handsomest foliage of any border plant in the entire collection." Strong field roots. Each 30c, per three 80c, dozen \$3.00, one hundred \$15.00.

**Spectabilis.** The "Bleeding-Heart" of grandmother's garden. This has been scarce for some years, but we can furnish now for, each 50c, per three \$1.25, dozen \$4.00, one hundred \$30.00.



**DICTAMNUS (Gas Plant).**

**Rubra.** An old garden favorite which has a strong smell of lemon, and which will give a flash of light when a lighted match is held under the flower-cluster and near the main stem. Fragrant foliage. Spikes of curious red flowers. Each 40c, per three \$1.00, dozen \$3.50.

**Alba.** White flowers. Each 40c, per three \$1.00, dozen \$3.50.

**DIGITALIS (Foxglove).** Old-fashioned plants which furnish a grand display of flowers in immense spikes in July and August. Strong plants, each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Alba.** White.

**Rosea.** Rose.

**Purpurea.** Purple

**Grandiflora.** Yellow.

**The Shirley.** Mixed colors in a strain said to be much larger and better than *Gloxinaeflora*. I found some better colors, a few larger flowers and on the whole, a little better than the old form above. Rigid selection should make it a great improvement in a few years. Each 30c, per three 80c, per dozen \$2.50.

**ERYNGIUM (Sea Holly).** Handsome ornamental plants, 2 to 3 feet tall, with stiff, spiky leaves. Flowers of light blue from July to September. Very useful for dried bouquets.

**Amethystinum.** Finely cut, stiff, glossy foliage, small flowers of amethyst blue. Each 20c, per three 50c, dozen \$1.50.

**Planum.** Larger in every way than *Amethystinum*. Each 20c, per three 50c, dozen \$1.50.

**EUPATORIUM.**

**Coelestinum.** Simply covered with blue ageratum-like flowers in August and September. 2 feet. Each 20c, per three 50c, dozen \$1.50, one hundred \$7.00.

**Ageratoides (Thoroughwort).** A useful border plant. Dense terminal heads of white flowers. Grows well in shade. Each 20c, per three 50c, dozen \$1.50, one hundred \$7.00.

**EUPHORBIA.**

**Corollata.** A wide-branching, low-growing plant, with very wiry stems, literally covered with fine white flowers from June to August. Invaluable for cutting. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**FUNKIA (Plantain Lily).**

**Media Variegata.** Large deep green leaves striped yellow; a splendid dwarf border plant. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Lanceolata (Day Lily).** Deep, glossy green foliage; free blooming; especially useful for shady places. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Subcordata Grandiflora.** Pure white, lily-shaped flowers in August. Each 35c, per three \$1.20, dozen \$3.50, one hundred \$20.00.

**GAILLARDIA (Blanket Flower).**

**Grandiflora.** Makes a most gorgeous and prodigal display. Flowers measure 3 inches in diameter, on clean, 2-foot stems. A hard center of deep maroon is thickly bordered by petals of orange and yellow, strikingly ringed by circles of crimson, red and maroon. Will thrive in poor soil, and a constant show is assured from June till frost.

**Hybrids of Lady Rolleston.** The finest mixture in existence. Each 20c, per three 50c, dozen \$1.50, one hundred \$6.

**Selected Shades in straw yellow,** with deep rose disc. Many shades in this resemble the annual *chrysanthemum* "Burridgeianum." A fine and distinct novelty. Each 30c, per three 70c, dozen \$2.50, one hundred \$15.00.

**Selected Plants.** Clear yellow, with bright red centre, no red disc. Each 20c, per three 70c, dozen \$2.00, one hundred \$10.00.

**GENTIANA Andrewsii (Closed Gentian).** A quite rare native plant. The tightly closed flowers are borne in clusters on terminal stems. Intense bright blue. Does best in moist places, rather heavy soil, and will stand more than partial shade. Each 25c, per three 70c, per dozen \$2.50.

**GERANIUM.**

**Sanguineum.** A low-growing plant with pretty cut foliage, and flat flowers of bright crimson. Our native *Geranium*. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**GEUM.**

**Mrs. Bradshaw.** Fine double scarlet flowers throughout the summer and fall. 15 inches. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**GYPSOPHILA (Baby's Breath).** A beautiful old-fashioned hardy plant; hardy perennial. Excellent for cutting with other flowers.

**Paniculata.** Minute pure white flowers. Two to 3 feet. Each 20c, per three 50c, dozen \$1.00, one hundred \$5.00.

**HELENIUM (Sneezewort).** Very desirable hardy plants, succeeding in any soil in sunny positions. Broad spreading heads of flowers, useful for cutting.

**Autumnale Rubrum.** One of the finest *Heleniums*; soft pastel shades in the bronzy fall colors. A real beauty. September. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Riverton Gem.** Flowers brilliant old-gold, suffused terra-cotta, changing as they mature to wallflower red. August and September. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Riverton Beauty.** Lemon-yellow with a large cone of purplish black. A very pleasing combination. 3 to 4 feet. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**HELIANTHEMUM (Sun Rose).**

**Croceum.** Low-growing evergreen plants, which are well adapted for borders, rockeries, or sunny banks. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**HOLLYHOCKS.**

**Double.** Crimson, yellow, white, pink, dark red. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Mammoth Fringed.** Extra-large, finely curled and fringed flowers in mixed colors. Each 20c, per three 50c, dozen \$1.50, one hundred \$7.00.

**HELIANTHUS (Sunflower).** Very profitable for summer cutting and massive display.

**Mollis Grandiflorus.** Light lemon-yellow; large; single. Foliage quite hairy. 4 feet. Each 20c, per three 50c, dozen \$1.50, one hundred \$7.00.

**Multiflorus f. pl.** Large, double yellow blooms, 4 feet. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Orgyalis.** Single, lemon-yellow flowers in abundance. 6 to 8 feet tall; branches near summit; foliage dense and gracefully drooping. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Rigidus.** Of fine, upright habit of growth. Flowers light yellow with maroon center. 3 feet. Each 20c, per three 50c, dozen \$1.50, one hundred \$7.00.

**HELIOPSIS (Orange Sunflower).**

**Pitcheriana.** Pretty daisy-like flowers; orange-yellow, with a pyramidal center of darker shade. Each 20c, per three 50c, dozen \$1.50, one hundred \$6.00.

**Scabra Excelsa.** A new double-flowering form, growing about 30 inches tall and freely bearing double golden yellow flowers, closely resembling a Zinnia. July and August. Fine for cutting. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**HEMEROCALLIS (Day Lily).** Very effective in clumps and masses; numerous panicles of orange and yellow lily-like flowers protruding high above the grass-like foliage.

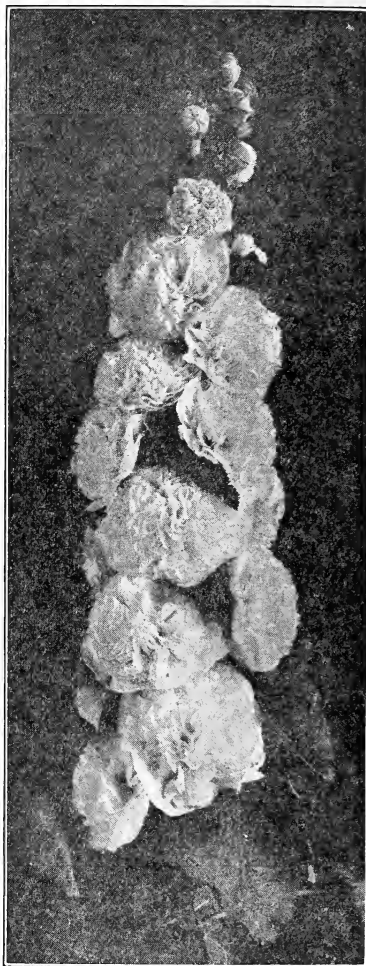
**Middendorffii.** Deep golden yellow flowers. June and July. 1½ to 2 feet. Each 20c per three 50c, dozen \$1.50, one hundred \$7.00.

**Dr. Regel.** Listed by Holland growers as "late"; with us it is earliest of all to bloom, coming before Decoration Day. Award of merit, Royal Horticultural Society, London. Each 25c, per three 70c, dozen \$2.50, one hundred \$10.00.

**Thunbergii.** Latest blooming of the Lemon Lilies. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**HEPATICA TRILOBA (Liver Leaf).** Pretty native spring flowering plants, almost extinct due to the efforts of the plant collectors. Our stock is not collected. Propagated from divisions. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.**HEUCHERA.**

**Brizoides (Coral Bells).** The hardiest of the Heucheras. Tiny bells of soft coral-

**HOLLYHOCK, DOUBLE**

pink on long, slender, wiry stems; in bloom from June till fall. Fine for cutting. Each 30c, per three 75c, dozen \$3.

**IBERIS (Hardy Candytuft).**

**Sempervirens.** Dark green evergreen foliage, completely hidden in April and May with heads of white flowers. 10 inch. Each 20c, per three 50c, per doz. \$2.00, one hundred \$9.00.

**Gibraltarica.** Larger and more persistent bloomer than above. Pale lavender pink. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**GARDEN IRIS (Iris Germanica).** German

Iris is the true Fleur-de-lis, the national flower of France. All varieties are perfectly hardy, thrive anywhere, grow and bloom luxuriantly. Plants well established produce from 50 to 100 spikes of bloom; some are deliciously fragrant and all are fine for cutting. Full-grown plants, each 20c, per three 50c, dozen \$1.50, per hundred \$6.00, unless otherwise noted.

**GARDEN IRIS—Cont'd**

**Caterina.** Massive lavender flowers on stems 3 feet or more in length. Color of *Pallida Dalmatica*, but the flowers are larger. The finest lavender Iris. Each 50c, dozen \$1.25.

**Caprice.** Immense blooms; solid violet-blue. three 70c, dozen \$2.00, one hundred \$12; unless otherwise noted.

**Ed. Michel.** Standards rosy mauve; falls deep mauve. Large, handsome, distinct and very rare. Each \$1.00, per three \$2.50, dozen \$10.00.

**Florentina Alba.** Pure white; sweet-scented; free-flowering.

**Honorabilis.** Standards fine yellow, with lower petals of maroon.

**Iris King.** Standards lemon-yellow; falls deep satiny brown with broad margin of golden yellow. Very large and rank grower. Each 25c, per three 70c, dozen \$2.50.

**Isolene.** Standards pale lavender; falls light purple overlaid brown; beard yellow. Each 25c, per three 70c, dozen \$2.50.

**Lohengrin.** Standards and falls uniform shade of *cattleya* rose. Very large. Each 25c, per three 70c, dozen \$2.50.

**Lent A. Williamson.** The American Iris Society gives this iris the highest rating of any in cultivation, scoring it 9.6 out of a possible 10. Standards lavender-violet, falls velvety royal purple. Flowers of gigantic size, tall (42") and strong grower, and extra free. Each \$1.00, per three \$2.50, dozen \$10.00.

**Midnight (New).** Black-purple. Each 20c, per dozen \$2.00.

**Mary Garden.** Standards pale yellow, falls creamy white, dotted with maroon. Distinct. Each 30c, per three 80c, dozen \$3.00, one hundred \$20.00.

**Mme. Chereau.** Very delicate and distinct, white, edged blue.

**Mrs. H. Darwin.** Standard white with slight crimson penciling at base; falls satiny white veined crimson.

**Mrs. Alan Gray.** Uniform delicate pale rose. This Iris often blooms in the fall. One of the best pinks. Each 30c, per three 90c, dozen \$3.00.

**Mrs. Neubronner.** Deep golden yellow without marks or shadings; very fine. Each 25c, per three 70c, dozen \$2.00.

**Nibelungen.** Falls violet, standards fawn. A handsome variety. Each 25c, per three 70c, dozen \$2.00.

**Parisensis.** Large, showy, deep purple, delicately penciled white.

**Pfaenage.** Standards olive-gold; falls bluish plum-color with gold border. Most distinct and beautiful. Each 40c, per three \$1.00, dozen \$4.00

**Rhein Nixe.** Standards pure white; falls deep violet-blue with narrow white margin. A striking combination, finest for cutting. Each 20c, per three 50c, dozen \$2.00.

**Rose Unique.** Standards and falls bright violet-rose. Nearest approach to a pink Iris. Very early. Each 40c, per three \$1.00, dozen \$4.

**GARDEN IRIS—Cont'd**

**Tamerlane.** Standards light blue; falls deep purple. Foliage very heavy. Each 25c, per three 70c, dozen \$2.00.

**Victorine.** Standards white; falls mottled violet. A sharp contrast; beautiful and rare. Each 25c, per three 70c, dozen \$2.00.

**Wyomissing.** Standards rosy white; falls deep rose, shading to flesh. Each 25c, per three 70c, dozen \$2.00.

**Windham.** Standards light rose, falls deeper shade of same color. Very good rose color effect. Each 25c, dozen \$2.50 one hundred \$7.50.

**Quaker Lady.** Standards smoky pearl lavender, falls ageratum blue overlaid old gold. A beautiful Iris. Each 50c, per three \$1.25, dozen \$5.00.

**Ambassadeur.** Standard smoky bronze, falls dark, velvet maroon. The finest dark colored Iris to date. Am. Iris Soc. scores this Iris 9.4. Ideal grower and very free. Each \$2.00.

**Candelabra.** Standards mauve and purple, falls violet, with veins of white and black. Unique and a fine massing sort. Each 25c, per three 70c, dozen \$2.00.

**Genuine Pallida Dalmatica.** The queen of the German Iris. Immense, clear, light blue flowers. Very rank grower and very fragrant. Undoubtedly the best individual Iris in cultivation. Each 25c, per dozen \$2.50.

**IRIS KAEMPFERI (Japanese Iris).** Finest of all the Iris family. The flowers are of immense size—from 6 to 8 inches in diameter—and of the most beautiful and delicate shades. Each 25c, per three 70c, dozen \$2.00, one hundred \$12, unless otherwise noted.

**Eclipse.** Crimson-maroon.

**Gold Bound.** Double white.

**Spotted Beauty.** Double silky white, spotted crimson.

**Oriole.** Rich plum.

**Pyramid.** Lilac-blue, veined white center in each petal.

**Robert Craig.** French gray, veined violet.

**INULA, Golden Beauty.** Free flowering border plant, yellow. Each 20c, per three 50c, per dozen \$1.50.

**LATHRYUS LATIFOLIUS (Hardy Sweet Pea).** Classed by many as a hardy climber, but I have never seen it here other than a "bush." Very useful for cutting, long blooming period, but I do not recommend it as a climbing cover. Best in full sun. White Pearl, or Pink Beauty. Each 20c, per three 50c, dozen \$1.50, one hundred \$7.00.

**LEONTIPODIUM ALPINUM.** The Edelweiss of the Alps. Each 50c, per three \$1.25, dozen \$5.00.

**LAVENDULA.**

**Veris.** The true sweet Lavender. Fragrant blue flowers in June and July. When cut and dried they retain their original fragrance indefinitely. Each 30c, per three 70c, dozen \$2.50.

**LIATRIS.**

**Pycnostachia.** Tall spikes of light rose flowers; fine for cutting. August. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**Scariosa** (Kansas Gayfeather). Deep rosy purple flowers in July and August. 3 to 4 feet. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**HARDY LILIES.** With the exception of *Candidum*, these should be planted in partial shade and kept cool. They thrive best in leaf-mold, and it is advisable to place a little sand under and around each bulb. Orders will be booked for fall delivery only.

**Lilium Regale.** Probably the best white garden lily ever introduced. Three to five feet, blooms in July. Immense flower of Ivory White, tinted Pink at base. Strong flowering bulbs. Each 40c, per three \$1.20, dozen \$4.00, one hundred \$30.00.

**Canadensis.** Red and yellow. The native yellow lily. 2 to 5 feet. Very hardy. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Candidum** (Madonna Lily). Large, fragrant, purest white. Each 35c, per three 90c, dozen \$2.00, one hundred \$15.

**Elegans Umbellatum.** Very large, upright deep apricot flowers; fine for the border. Each 25c, per three 60c, dozen \$1.75, one hundred \$12.00.

**Tigrinum Splendens.** The old familiar Tiger Lily. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Superbum.** A native, growing about 4 to 5 ft. tall, dull orange. Fine for naturalizing. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Auratum** (Gold Band Jap Lily). One of the largest and finest. Ivory white, thickly studded with brownish crimson spots, with a broad yellow band centering each petal. July to September. 3 to 5 ft. Each 40c, per three \$1.10, dozen \$4.00.

**Speciosum Album.** Smaller than above, much used by the florist. White, with greenish yellow band through each petal. Each 40c, per three \$1.10, dozen \$4.00, one hundred \$25.00.

**Speciosum Magnificum.** Like above but with red flowers. Each 50c, per three \$1.35, dozen \$4.75.

**LILY OF THE VALLEY.** Strong clumps for outside planting. Very useful in shady corners, or at edge of shrubbery. Each 30c, per three 80c, dozen \$2.50.

**LINUM (Perennial Flox).**

**Perennae.** A desirable plant for border or rock work. Light, graceful foliage; large blue flowers through July and August. 18 inches. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Perennae Album.** Identical with above except pure white flowers. Each 20c, per dozen \$1.50.

**LOBELIA (Cardinal Flower).**

**Cardinalis.** Intense cardinal flowers arranged in stock spikes. Very showy in the hardy border. 1½ feet. August and September. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**LYCHNIS (Champion).** Of very easy culture; will thrive anywhere. This, together with their brightness, makes them general favorites in the hardy garden. Of the many varieties offered we consider the two below the best:

**Chalcedonica.** A most desirable plant; heads of brilliant orange-scarlet. Late June and July. 2 to 3 feet. Each 20c, per three 50c, per dozen \$1.50, per hundred \$9.00.

**Salmon Queen.** A salmon pink form of above. New. Each 30c, per three 80c, per dozen \$2.00.

**Viscaria Splendens.** In July and August sends up crimson flowers. The most vivid colored of any hardy perennial. Forms a dense tuft of evergreen foliage. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**LUPINUS (Lupine).** Spikes of pea like flowers in delicate, soft shades in May and June. Should have rather heavy soil and a moist situation, or partial shade when out of bloom. Clear Blue, White or Pale Rose. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**LYTHRUM ROSEUM (Loose Strife).** Very showy plants, thriving in almost any situation. Large spikes of rose colored flowers from July to September. Fine water-side subjects. Each 20c, red, pink, to purest white.

**LYSAMACHIA Nummularia** (Creeping Jenny) Bright green foliage, with yellow flowers. Creeper. Fine ground cover for banks or under trees or shrubs. Each 20c, per three 50c, per dozen \$1.50.

**MALLOW MARVELS.** Meehan's Mallow Marvels are similar in shape and growth to Hibiscus, Crimson Eye. The gigantic flowers, reaching a diameter of 8 to 10 inches, range in color from fiery crimson through various shades of Pink to White.

**Mixed Colors.** Each 20c, per three 50c, dozen \$1.50, one hundred \$7.00.

**Shades of Red and Crimson, Select.** Each 30c, per three 80c, dozen \$2.50, one hundred \$15.00.

**Shades of Pink, Select.** Each 30c, per three 80c, dozen \$2.50, one hundred \$15.00.

**MERTENSIA (Bluebells).**

**Virginica.** An early spring-flowering native with drooping panicles of light blue flowers, fading to clear pink. Well known to most of us who went wild-flowering in childhood along the river-bottoms of the northern and middle states. May and June. 1 to 1½ feet. Each 20c, per three 50c, dozen \$1.50, one hundred \$10.00.

**MONARDA (Bergamot).**

**Cambridge Scarlet.** Showy plants with aromatic foliage, and producing brilliant crimson-scarlet flowers during July and August. 2 to 3 feet. Each 20c, per three 50c, dozen \$1.50, one hundred \$7.

**MONARDA—Cont'd**

**Fistulosa Purpurea.** Dark purplish red; finest for cutting. Taller than Cambridge Scarlet. Each 20c, per three 50c, dozen \$1.50, one hundred \$7.00.

**Didyma Rosea.** Rose-colored blooms, fully as large and handsome as the type. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**MYOSOTIS (Palustris Semperflorens).** Ever-blooming Forget-Me-Not. Very useful in half shade. Blue. Each 20c, per three 50c, dozen \$1.50, one hundred \$10.00.

**Alpestris Pink.** Same as above but with pale pink flowers. Each 20c, per three 50c, dozen \$1.50, one hundred \$10.00.

**NEPETA (Catmint).**

**Mussinii.** A low-branching plant bearing numerous lavender-colored flowers. Leaves small, same color as sage. A most useful border plant. Each 25c, per three 70c, dozen \$2.50.

**OENOTHERA ((Evening Primrose).**

**Missouriensis.** These plants grow and flower equally well in sun, or dense shade. They are covered with large golden yellow flowers in June and July. 12 inches tall, rather spreading habit. Each 25c, per three 70c, dozen \$2.50, one hundred \$12.00.

**Speciosa Alba.** Slender, sparse growing plant, white flowers in July, August. Each 20c, per three 50c, dozen \$1.50.

**Youngii.** Taller and more compact than the above; flowers smaller but more persistent; longer blooming period. Each 25c, per three 70c, dozen \$2.50, one hundred \$15.00.

**PACHYSANDRA.**

**Terminalis.** Broad mats of glossy green leaves and small flowers in May and June. Indispensable as a cover-plant in sun or shade. It is eminently suitable for locations in dense shade, for it will make a luxuriant growth where other plants would perish. The greenish white flowers are borne in spikes. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**PARDANTHUS (Blackberry Lily).**

**Chinensis.** Flowers orange-color, spotted with purple-brown, and will average 2½ inches in diameter. The seeds which follow the bloom are quite like blackberries. 3 feet. Each 20c, per dozen \$2.00.

**PAPAVER ORIENTALE (Oriental Poppy).**

Cutting grown. Guaranteed true.

**Bracteatum.** Large orange red. Each 25c per three 70c, dozen \$2.00, one hundred \$12.00.

**Excelsior Mixed.** 2¼ pot plants. All colors. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Goliath.** Enormous scarlet flowers on strong, erect stems. Nothing you can grow in the garden will furnish so gorgeous and brilliant a spot of vivid color. Each 30c, per three 80c, dozen \$2.50, one hundred \$15.00.

**PAPAVER ORIENTALE—Cont'd.**

**Perry's White.** A fine new introduction as large as Goliath but purest white, with the typical black cross of the red varieties in the center. Very useful for white in the border, where white is scarce at this time. Each 50c, per dozen \$5.00.

**Queen Alexandra (New).** Beautiful clear rose-salmon. Desirable for planting with Perry's White. Each 30c, per dozen \$3.

**PEONIES**

Peonies, especially the modern introductions, are probably the most valuable of all perennial plants. Careful selection of flowers gives a wonderful range of color, and extended blooming period. Once planted they require little care, but they will more than repay good cultivation in plentiful bloom, and of better quality.

**PLANTING.** Peonies may be planted in fall or spring, but fall is much to be preferred. Avoid planting deeper than 3 inches of soil over the crown or eyes. After planting, mulch well with stable manure to avoid winter "heaving". Remove this and spread about the plants when freezing is over. Never cut flowers so that all the leaves are taken from the plant, and do not cut the stems below the first pair of leaves. This is a prolific cause of short lived plants.

**RATINGS AND ORIGIN.** The figures given at left of each variety are the ratings given them by the American Peony Society. In brackets is the name of the originator, and date of introduction. Back of this list is a planting of over twenty thousand plants, and we are able to give you prime stock.

**PRICES.** The first price is for staple planting stock, of two to five eyes, the second is for two year, 4 eyes and up, and the third is for clumps of 8 eyes and up. Six plants for five times the price of one. Write for quotations in lots of 25 to 100 of a sort. Two to five eye plants, the first priced, are by mail prepaid. The last two sizes are too heavy to mail and are by express, charges collect.

(8.7) **Albatre (Crousse, 1885).** One of the finest and easiest white peonies in cultivation. Immense globular flowers of milk white, shaded ivory, with minute tinges of lilac and carmine. Very strong and free, fragrant. Mid-season. 50c, \$1.25, \$2.00.

(8.6) **Albert Crousse (Crousse, 1893).** Large, compact, bomb type, rose white  
(8) Fragrant, erect, free, late. \$1.25, \$2.00, \$2.75.

(6.9) **Armandie Mechin (Mechin, 1880).** Large compact flowers of violet crimson (168) showing yellow stamens. Medium height, spreading, extra free, mid-season. Fine landscape sort. 75c, \$1.50, \$2.25.

(8.0) **Aurore (Dessert, 1904).** Large flat loosely built flower. Lilac (?) shading lighter at edges, center flecked crimson. Medium height, compact grower, late. \$1.25, \$2.00, \$2.75.

## PEONIES—Cont'd

- (8.1) **Asa Gray** (Crousse, 1886). Lilac, sprinkled with minute dots of deeper shading. A striking peony, and perhaps the easiest grower in this list. In any soil or situation where peonies will bloom at all, Asa Gray will give fullest satisfaction in every way. It blooms well the first season, and for every season thereafter. All around an honest and good variety. Early mid-season. \$1.00, \$1.75, \$2.50.
- (6.3) **Bertha** (Hollister, 1910). I have not seen this variety in bloom. Bought for a good mid-season red, an item which is very scarce. 75c, \$1.50, \$2.25.
- (6.9) **Louis VanHoutte** (Calot, 1867). Medium size, loosely built flower of carmine rose tipped silver, with red reflex (169). Very brilliant, fragrant, an old favorite. 50c, \$1.00, \$1.50.
- (8.1) **Couronne d'Or**. Large, flat, loosely built flower of pure white with a ring of yellow stamens showing in center. Centre petals tipped carmine. Medium height, very free grower and bloomer. Late. 50c, \$1.00, \$1.50.
- (8.7) **Claire Dubois** (Crousse, 1886). Immense well rounded flower of clear, satiny pink. Good grower and very free. All around good variety. Late midseason. \$1.00, \$1.50, \$2.00.
- (7.7) **Dorchester**. Rather small flower. delicate salmon. Very late bloomer. I have found this shy of bloom. 75c, \$1.15, \$1.35.
- (8.6) **Eugenie Verdier**. Immense compact, rather flat flower of pale pink, center of deeper shade, flecked crimson. Erect and free, fragrant, midseason. Extra good. \$1.00, \$1.35, \$1.70.
- (9.3) **Festiva Maxima**. Probably the most popular and best known of all peonies. Immense pure white flowers, with center petals lightly picoteed carmine. Always a willing grower and free bloomer. Blooms with the earliest of the Chinen-sis sorts. 50c, 75c, \$1.00.
- (8.4) **Felix Crousse** (Crousse, 1881). A large, brilliant red bomb on an erect, strong stem, vigorous and free, fragrant. Mid-season. One of the best red varieties. 60c, \$1.15, \$1.35.
- (8.5) **Germaine Bigot** (Dessert, 1902). Very large, medium flat flower, pale rose with lilac overlay, flecked crimson. Strong, erect, medium height, free. Mid-season. \$1.50, \$2.25, \$3.00.
- (8.1) **Duchess deNemours** (Calot, 1856). Large and full. Nearly pure white. Free and fine. 40c, 60c, 85c.
- (7.9) **Gloire de Chas. Gombault** (Gombault 1866). Centre of flower is light rose, with a collar of narrow cream petals, widening toward the center. Strong and free, generally several flowers on each head unless disbudded. Mid-season. 75c, \$1.25, \$2.00.

## PEONIES—Cont'd

- (7.3) **Golden Harvest**. Medium size, loosely built, rose type. Center creamy white with springling of petals of peach blossom pink, collar pale lilac rose. Very strong grower of rather dwarf habit, free and very fragrant. Mid-season. 75c, \$1.00, \$1.25.
- (7.0) **Goliath** (Hollister, 1904). Immense well rounded ball of tyrian rose, tipped silver. Tall, strong, and very fragrant. Midseason. Extra good. \$1.25, \$1.60, \$2.00.
- (8.1) **Marchioness of Lansdowne** (Kelway, 1899). Just why this variety has a lower rating than Therese I do not understand. It is almost identical in form, size, growth, indeed, in every way, with the sole exception of color, which is a lively clear pink. With us it is ideal in every way, and personally I think more of it than any other pink that I have seen. It is very scarce and is seldom found in any wholesale list. Our stock is limited and we can offer 3 to 5 eye divisions only. Early mid-season. \$3.50.
- (8.4) **Marguerite Gerard** (Crousse, 1892). Very large, compact bloom, developing a crown with yellow stamens, pale hydrangea pink, with center minutely flecked carmine. Fragrant, late. 75c, \$1.25, \$1.75.
- (7.9) **Mad. Ducl** (Mechin, 1880). Medium size, bomb type, pale mauve, rose, white, silver reflex. Fragrant, strong, and very free. Extra market flower. Mid-season. 75c, \$1.00, \$1.25.
- (7.6) **Edulis Superba** (Lemoine, 1824). Large loosely built, bright but soft pink, strong, upright and free. One of the oldest, and still the most important Decoration Day Pink. 30c, 60c, \$1.00.
- (8.7) **James Kelway** (Kelway). Very large rose white changing to milk white. Strong grower, early mid-season. \$1.75, \$2.25, \$2.75.
- (8.8) **Karl Rosenfield** (Rosenfield, 1908). Very large, compact, globular. Dark crimson. Tall and strong, ideal grower and very free. Mid-season. Extra fine red. \$1.25, \$1.75, \$2.25.
- (8.4) **King of England** (Kelway). A grand single peony. Immense flat cup of rosy red with a large, soft yellow center. A quick grower, free and strong. In every way ideal. Grand sort for cutting, and an ideal subject for landscape work at edge or ornamental border, woodland, or like situations, where it gives all the effect of rhododendron but much more permanent. 3 to 5 eye only. Mid-summer. Each \$5.00.
- (9.0) **La France** (Lemoine, 1901). Enormous rather flat flowers of soft apple blossom pink, with slight mauve reflex. Outer guard petals have a slight splash of crimson. Fragrance extra. Midseason. An extra good grower and a wonderful flower. 3 to 5 eye. \$6.00.

## PEONIES—Cont'd

(7.5) **La Tulipe** (Calot, 1872). Large, rather flat. Lilac white with outer petals deeper shade. Fragrant, tall, strong, and free. A good and reliable grower. Early mid-season. 40c, 75c, \$1.25.

(8.3) **Lamartine** (Cabot, 1860). (Synonym *Gigantea*). Extra large, pale lilac rose, with darker center. Distinct fragrance, rather spicy. Tall and free. Mid-season. Extra grower. 75c, \$1.25, \$1.60.

(9.9) **LeCygne** (Lemoine, 1907). Perfectly formed, solidly built flower of creamy white, fading to milk white. The globular, compact bloom of this flower is distinct from all others, probably the finest of all white peonies. Strong grower, free, in every way ideal. Late mid-season. 3 to 5 eye only, each \$20.00.

(7.0) **Leviathan** (Kelway, 1899). As the name would indicate, this is very large, both in plant and flower. Bright, deep rose. A scarce color in peonies. Extra good. Late mid-season. \$1.00, \$1.75, \$2.25.

(7.3) **L'Indispensable** (origin unknown). Lilac white, shading to deep rose toward the center. A very double, handsome flower of immense size, free and extra good. 75c, \$1.25, \$1.75.

**Mad. Boulanger** (Crousse, 1886). I have at hand no record of the scoring of this variety, but with me it would score among the highest. Very large bloom in delicate shadings hard to describe. The ground color is tender, soft rose, with blendings and shadings of soft heliotrope and silver. Strong and free. One of the handsomest pink peonies. Mid-season. \$1.25, \$1.75, \$2.25.

(7.9) **Mad. deVerneville** (Crousse, 1885). One of the most charming, and probably the best producer of flowers on the market. Medium size, well rounded flowers, white, shading up to a centre of delicate shell pink, extra fragrant. A fine landscape sort, and one of the staple commercial cut flowers. Early mid-season. 50c, 80c, \$1.20.

(8.5) **Mad. Emile Gaille** (Crousse, 1881). Compact, rather flat flowers, deep lilac white, shading to milk white center. Medium height, strong and free. A good late variety. 50c, 80c, \$1.20.

(8.1) **Mlle. Leonie Calot** (Calot, 1861). Large typical well rounded rose type. Very delicate rose white, shading to deeper center. Tall, strong, and free. Extra good, late mid-season. 35c, 75c, \$1.25.

(8.5) **Marie Lemoine** (Calot, 1869). Large very solid, cream white, with pure white center, fragrant, medium height, stiff, heavy stem. Very late. 50c, 75c, \$1.

## PEONIES—Cont'd

(7.5) **Marechel Vaillant** (Calot, 1864). Large, compact, globular flower of dark mauve pink. Tall, heavy, coarse stems, barely supporting the large flowers. Late good. 50c, 80c, \$1.20.

**Missionier** (Crousse, 1886). Very brilliant crimson. Known as the American Beauty peony in some cut flower markets. Some think this the best red peony for commercial cut flowers. Good grower, free, good stem. Early mid-season. 60c, 85c, \$1.30.

(8.3) **Mons Dupont** (Calot, 1872) Large flat flower of milk white, center lightly splashed crimson. Erect, tall, and free. A fine late mid-season white. 75c, \$1.00 \$1.25.

(7.8) **Model de Perfection** (Crousse, 1875) Well named. Light, violet rose, shading to center of flesh pink, silver tipped, strong and profuse bloomer. Late. 75c, \$1.00, \$1.25.

(9.2) **Mons Jules Elie** (Crousse, 1888). Very large flower, on stiff, strong stems, heavy, glossy foliage. Pale lilac rose, with lighter collar, shaded amber yellow at base. This peony is the "Festiva Maxima" among the pink sorts. Early, extra good. 75c, \$1.20, \$1.50.

(8.8) **Mons. Martin Cahuzac** (Dessert, 1899). Massive, well rounded flowers. A solid ball of deep maroon with garnet shadings and black luster. Claimed to be the darkest good peony in existence. Good grower, erect, and free. In great demand by those who want all shades and colors. Late mid-season. 2 eye \$2.50, 4 eye \$4.50.

(8.4) **Mont Blanc** (Lemoine, 1899). Very large, globular, milk white with faint shell pink centre. Fragrant, early mid-season. One of the finest white peonies. 3 to 5 eye. Each \$5.00.

(8.5) **Octavie Demay** (Calot, 1867). Very large flat flowers, pale hydrangea pink, collar almost white. Very free, medium height. Fragrant. Late midseason. 75c \$1.00, \$1.25.

(8.7) **Reine Hortense** (Synonym *Pres. Taft*). (Calot, 1857). Another variety that could easily be rated higher. Large, heavy flowers, full double. A beautiful shade of soft pink with bright rose stripes on petals. A marvelous flower and a good grower. Very tall, strong, and heavy. Mid-season. \$1.00, \$1.75, \$2.25.

(7.2) **Rubra Superba** (Richardson, 1871). Were it not for the rather weak stem of this variety, it would rate quite closely to ten. Flower of rich, deep, brilliant crimson, large, full, and double, and the best keeper of the whole peony family. Its only fault is that the stem is not quite heavy enough to carry the immense flower after rain or in heavy wind. Should be staked. Late midseason. 75c, \$1.00, \$1.25.



**PEONIES—Cont'd**

(7.1) **Ruy Blas** (Dessert, 1905). Medium size flowers of pure mauve, tipped silver, dwarf, compact, and free. Midseason. \$1.25, \$1.75, \$2.25.

(9.0) **Sarah Bernhardt** (Lemoine, 1906). Flower of remarkable size, unusual perfection of form, full and double. Apple blossom pink, fragrant, late midseason. A grand peony. 3 to 5 eye, \$3.50.

(9.7) **Solange** (Lemoine, 1907). Full globular flowers with a crested tuft in center. Color rare and hard to describe. Center shows well defined shadings of tango orange or light brown, shading to pure white, with overlay of tender blush pink. 3 to 5 eye. \$7.00.

**PEONIES—Cont'd**

(9.8) **Therese** (Dessert, 1904). Immense, rather flat flower of violet rose, shading to light pink. The largest peony in this shade. Strong and free, early midseason. 3 to 5 eye, \$3.50.

(7.8) **Triumph de Exposition de Lille** (Calot, 1865). Large flower of soft carnation pink, splashed with darker tints of pink. Extra good. Midseason. 75c, \$1.25, \$1.75.

(7.6) **Virginie** (Calot, 1858). Opens a dainty pink with yellow stamens, forming into a solid ball of pink satin. Late midseason, extra good. 75c, \$1.25, \$1.75.

**PHLOXES****PHLOX GOLIATH****PHLOX W. C. EGAN****PHLOX G. H. STROHLEIN**

Ability to grow and succeed almost anywhere, and in almost any position, are distinguishing characteristics of the hardy Phloxes. In setting the roots, make the trench about 20 inches deep, put plenty of well-rotted manure in the bottom, then cover with top soil; set the roots so the manure will not come in contact with the fibres. During summer-time mulch with straw or grass clippings and give a liberal supply of water during the blooming period. Strong field plants, each 20c, per three 50c, dozen \$1.50, one hundred \$9.00, unless noted.

**Antonin Mercie.** Light lavender petals, turning to white at the center, with lavender eye; dwarf plants.

**Athis.** Light salmon, violet eye; dark stemmed. Tall.

**Beacon.** Brilliant cherry, new. Each 30c, per three 80c, dozen \$3.00, one hundred \$20.00.

**Prof. Virchow.** Bright carmine with orange overlay. Each 25c, per three 70c, dozen \$2.50, one hundred \$15.00.

**B. Compte.** Rich burgundy-red, one of the finest red shades; strong and large. As late as Viking. True stock scarce. Each 25c, per three 70, dozen \$2.50, one hundred \$15.00.

**Bridesmaid.** White with prominent light rose eye, small flower but a large, well formed flower head.

**Eiffel Tower.** A strong-growing, large trussed sort; flesh-pink with red eye. Each 35c, per three \$1.00, dozen \$3.50.

**W. C. Egan.** Beautiful soft rose; one of the largest flowering in cultivation. Each 25c, per three 70c, dozen \$2.50, one hundred \$15.00.

**Eclairer.** Purple-crimson, light aureole.





PHLOX WIDAR



PHLOX OBERGARTNER WITTIG



PHLOX EUROPA

**Europa.** Snow-white with decided carmine eye. Very large individual flower and truss. Sturdy, erect habit. 25c, per three 70c, dozen \$2.50, one hundred \$15.

**Frau Antoine Buchner.** The finest white Phlox. Of strong habit and produces enormous trusses of perfect form; dwarf.

**G. H. Stroblein.** Bright scarlet, crimson-red eye; does not fade; large flowers; large truss. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Goliath.** Flowers of bright pink with dark red center; very early; a giant flower; large trusses. Each 30c, per three 80c, dozen \$3.00, one hundred \$20.00.

**Henri Menier.** Mottled lavender and white. Dwarf, with immense flower-heads, reaching the ground on both sides of plant.

**Mme. Paul Dutrie.** Delicate lilac-rose, in shade like a soft pink orchid; flowers very large, borne in immense panicles. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Mme. Langier.** A dazzling pure crimson; one of the choicest dark reds. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Miss Lingard.** Waxy white, with lavender eye. Longest spikes of any Phlox; blooms from the ground up.

**Obergartner Wittig.** A fine old Phlox. For years almost out of general stock, but now quite in favor again. Uniform lavender rose of fine form, good grower.

**Pantheon.** The peerless pink. Extra-large, almost flat flowers of salmon-rose.

**Purity.** A strong-growing white.

**Rheinlander.** Salmon-pink, slightly deeper than E. Campbell; much larger; medium height. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Sieboldii.** An improvement on Coquelicot, brighter in color and stronger. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Widar.** New. Red-violet, large white eye. Fine head.

**PHLOX SUBULATA.** A dainty creeping Phlox, which is simply covered with flowers in early spring; splendid for borders or ground covers. 4 inches.

**Alba.** A free-blooming pure white variety. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Lilacina.** Soft sky-blue, or extremely light lilac. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Rosea.** Bright rose. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Phlox Divaricata Canadensis** (Wild Sweet William). Our native Phlox, blooming in April and May. Large, fragrant, lavender flowers on slender, wiry stems. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**Phlox Ovata** (Mountain Phlox). Masses of pastel pink flowers in May and June. 1 foot. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**Phlox Amoena Rosea.** A fine, sturdy little dwarf. Dark, evergreen foliage, with bright pink flowers in May and June, and often again in the fall. A gem for the low border. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**PLATYCODON (Balloon Flower).** Blooms constantly from July until late in September; flowers large, bell-shaped. Of extremely rapid growth, doing well in any soil. Perfectly hardy, making a dense branching bush 2 to 3 feet high.

**Azurea.** Blue. Each 20c, dozen \$1.50, one hundred \$8.00.

**Album.** Pure white flowers. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Double Mixed.** Tall growing with a second flower arranged within the outer petals. Each 40c, per three \$1.00, one dozen \$3.00.

**POTENTILLA (Atrosanguinea).** Brilliant crimson flowers. July to September. Strawberry-like foliage. 18 inches. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**PENTSTEMON (Beard Tongue).** Most useful and showy perennials. Some varieties are not hardy. Those below are perfectly so. June and July. 3 feet.

**Torreyi.** Spikes of bright scarlet flowers from June till August. A very effective plant for hardy beds. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.

**Hybridum, Coral Gem (Huntington).** Bright coral-pink, fine for cutting. New. Each 30c, per three 75c, dozen \$2.50, one hundred \$15.00.

**Pentstemon Hybridum, "Shell Pink" (Huntington).** This first appeared with us in the same lot of seedlings with Coral Gem, but has not increased as fast. Spike is not nearly as tall and "stringy" as *Torreyi*, and flowers are more plentiful on the spike. Color is a bright, clean shell pink. Perfectly hardy in any soil or climate. "One particular gem is suggested for a garden that needs clear pink, a pink form of *P. Barbatus*. It is obtainable from Ralph E. Huntington. Its color is all that can be claimed for it. If you tire of the flaming scarlet of war, *Torreyi*, try this LaFrance rose pink form." Stephen F. Hamblin, in the Garden Magazine. Field roots, 35c each, per three 80c, dozen \$3.00.

**PYRETHRUM (Painted Daisy).**

**Roseum.** Foliage finely cut and attractive flowers, colored in all shades of rose, borne profusely on long, straight stems. A splendid cut-flower and conspicuous in the garden. Single and double. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**Uliginosum.** Large white flowers, 3 inches or more in diameter, from July to September. Each 25c, per dozen \$2.00.

**ORNAMENTAL GRASSES.** Very extensively used for beds and specimen clumps.

**Eulalia Japonica Zebrina.** Green leaves crossed at intervals of 2 to 3 inches with broad bands of yellow. Each 20c, per three 50c, dozen \$1.50, one hundred \$10.00.

**ORNAMENTAL GRASSES—Cont'd**

**Eulalia Gracilis Univittata (Japan Rush).** Of graceful habit, very narrow foliage, bright green with silver midrib. Perhaps the most used of the ornamental grasses, 4 to 5 feet. Each 20c, per three 50c, dozen \$1.50, one hundred \$10.00.

**Eulalia Japonica Variegata.** Striped green and white. Each 20c, per dozen \$2.00.

**Festuca Glauca (Glaucous Fescue Grass).** Finely spiked tufts of light blue grass, very orderly and well rounded. Invaluable for the formal border. Each 25c, per three 70c, dozen \$2.50.

**PRIMULA. Mixed Colors.** The old "Polyanthus" of grandmother's garden and one of the best border plants to date. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Leid's Prize Flowers.** A selected mixture, the best "Auricula" assortment. Each 30c, per three 75c, dozen \$2.50, one hundred \$20.00.

**PHYSALIS FRANCHETTI (Jap Lantern).** Dense bushes, 2 feet, producing freely, interesting, lantern-like scarlet fruits in fall. The flower is insignificant. Each 20c, per three 50c, dozen \$1.50, one hundred \$7.00.

## HARDY GARDEN PINKS

Without the spicy fragrance of the hardy Pinks a garden is incomplete. Their perfect form and rich coloring make them great favorites for summer bouquets. June. Strong field plants. Each 20c, per three 50c, dozen \$1.50, one hundred \$10.00, unless noted.

**Mixed.** Single and double.

**Deltoides.** A very pretty alpine plant, with creeping, green foliage and medium-sized, flat, pink flowers in June and July. Especially suitable for rock gardens.

**Essex Witch.** Delicate pink, finely fringed.

**Double Scotch Pink, Little Dorrit (Huntington).** New with us. Compared with *Her Majesty*, flower is not quite as large, with a touch of bright crimson in center. Plant is neat and orderly, lacking the sprawling habit of *Her Majesty*. Stems are stiffly upright. It has been grown beside *Her Majesty* for five years, and has wintered 100%, while the latter has shown from 25 to 75% winter killing. Period of bloom is much longer, indeed, showing some flowers the entire season if kept cut. Its hardiness, neat habit, and dwarf growth, coupled with the persistent blooming qualities make it an ideal dwarf border for the formal garden, or an exceptionally new and really hardy white for the rock garden. We are well supplied and can offer it at each 25c, per three 70c, dozen \$2.00, one hundred \$15.00.

**PHYSOSTEGIA (False Dragonhead).** One of the most beautiful of our midsummer flowering perennials, forming dense bushes bearing delicate tubular flowers. 3 to 4 feet.

**PHYSOSTEGIA—Cont'd**

**Vivid.** A later blooming form of above, very free, and not quite as tall. Dense heads of rosy light purple. Each 30c, per three 80c, per dozen \$3.00.

**Virginica.** Bright but soft pink. Each 20c, per dozen \$2.00.

**Alba.** White; fine for cutting. Each 20c, per dozen \$2.00.

**PLUMBAGO (Leadwort).**

**Larparentae.** Tiny red-edged leaves of apple-green are a rich setting for spiky red buds and dense clusters of cobalt-blue flowers. A beautiful border plant and exceedingly valuable on account of its late blooming. August to frost. Of dwarf, spreading habit. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**POLEMONIUM (Jacob's Ladder).**

**Coeruleum.** Flowers bluish purple, small, and of pronounced bell-shape. May and June. 2 feet. Each 25c, per three 70c, dozen \$2.00.

**POLYGONUM (Knotweed).**

**Compactum.** About 15 inches tall and during August and September the entire plant appears as a foamy mass of white flowers. Very valuable on account of time of bloom. Each 20c.

**RANUNCULUS (Crowfoot).**

**Acris fl. pl.** Bright yellow blooms on stems 10 to 15 inches high. May and June. 2 feet. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**RUDBECKIA.**

**Purpurea** (Purple Coneflower). Large drooping petals colored reddish purple, with a remarkably large cone-shaped center of brown, thickly set with golden tips in spiral lines. Excellent for bedding, and equally good for grouping in masses of shrubbery. July to frost. 2 to 3 feet. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**Newmannii.** Plentifully supplied with large, single flowers of orange-yellow, with a prominent brown cone. Brilliant color effects may easily be produced with this variety. The blooms can always be depended upon, as the plant is easily grown. 1½ to 2 feet. July to frost. Each 20c, per three 50c, dozen \$1.50, one hundred \$10.00.

**SAPONARIA.**

**Ocymoides.** A very pretty dwarf creeper. Clouds of small bright pink flowers in July and August. Each 20c, per three 50c, dozen \$1.50, one hundred \$10.00.

**SALVIA (Meadow Sage).**

**Azurea Grandiflora.** A Rocky Mountain native growing from 3 to 4 feet tall, producing, during August and September, pretty blue flowers in greatest profusion. Each 20c, per three 50c, dozen \$1.50, one hundred \$10.00.

**SALVIA—Cont'd**

**Pitcherii.** Similar to the preceding except the color is gentian-blue; the plant is not quite as tall and is later to flower. Each 40c, per three \$1.00, dozen \$3.50.

**Turkestanica.** Very decorative, 2 ft. plants with Poinsettia-like bracts at heads. White with pale pink. Each 25c, per three 60c, per dozen \$2.25.

**Turkestanica Rubra.** Identical with above, except that the bracts are deeper colored. Same price as above.

**SAXIFRAGA.**

**Delia.** Grows about 1 foot high, forming masses of handsome, broad, deep green foliage which is very ornamental at all times. The pretty crimson-purple flowers which appear early in spring, make this doubly effective. Each 35c, per dozen \$3.50.

**Orbicularis.** Deep rose. Each 35c, per dozen \$3.50.

**Splendens.** Rosy crimson. Each 35c, per dozen \$3.50.

**SCABIOSA.** Handsome plants in the border, persistent in bloom and fine for cutting. Easy to grow and very free.

**Caucasica** (Blue Bonnet). A soft shade of clear lavender, with serrated petals. Each 40c, per three \$1.00, dozen \$3.00.

**Japonica.** Smaller flowers than Caucasica, plant taller, much more free, very persistent, long, clean stemmed flowers of light blue from July till fall. Each 30c, per three 80c, dozen \$2.25.

**SEDUM (Stonecrop).**

**Acre** (Golden Moss). Very dwarf; much used for covering. Foliage bright green, flowers yellow. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Album.** Native of northern Asia. Thick, linear leaves, flower white, with tiny red center. A fine dwarf for ground cover in either shade or sun. 4". Each 25c, per three 70c, per dozen \$2.00, per 100 \$10.00.

**Atropurpureum.** A handsome creeping plant which makes a dense mass of bluish green foliage, turning to a deeper bluish green in autumn; flowers are pure white. An orderly flower and a splendid addition to the varieties suitable for edgings or the rockery. 3 in. tall. Each 25c, per three 70c, dozen \$2, one hundred \$10.00.

**Asiaticum.** Native of India. Creeper with red flowers. Fine ground cover. Each 20c, per three 50c, per dozen \$1.50.

**Ewersii.** A Siberian and Himalayan native. Short, thick leaves on trailing branches. Flowers pink in dense clusters. 4 in. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**Spurium Coccineum.** Dense creeper with dull crimson flowers. Each 20c, per three 50c, per dozen \$1.50, per 100 \$10.

**Stahlii.** Crimson-tinted foliage in autumn, one of the finest rock plants and ornamental at all times. Dwarf. Each 25c, per three 70c, dozen \$2.00.

**SEDUM—Cont'd**

**Spectabile.** A beautiful, erect-growing species with broad, thick light green foliage and immense heads of showy soft rose-colored flowers. Indispensable as a late fall blooming plant. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Spectabile, Brilliant.** Rich dull red; identical with *Spectabile* in all except color. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Ternatum.** A pretty little white flowering sedum, leaves clear light green. Flowers on short upright terminal stems like *Tiarella*. Does well in full shade. Each 25c, per three 70c, per dozen \$2.00.

**SHASTA DAISY.** Large snowy white flowers in bloom continually throughout the fall. Splendid cutter. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.

**Arcticum** (Arctic Daisy). One of the best fall flowering perennials. Low, rosette-like clumps of foliage of glossy dark green. Blooms in veritable sheets of white in September and October on stems about 1 ft. Valuable in border or rockery. Each 25c, per three 60c, dozen \$2.

**SIDALCEA.**

**Candida.** A handsome plant with flat white flowers about an inch in diameter. June to July. 2 to 3 feet. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.

**Rose Queen.** A new variety of robust habit, with bright rose-colored flowers. 4 feet. Each 30c, per three 80c, dozen \$2.50.

**SILENE GRANDIFLORA.** Fine border or rock plant. Round heads of purplish red flowers in July-August. 18 in. Good for cutting. Each 25c, per three 70c, dozen \$2.50, one hundred \$15.00.

**SPIRAEA.**

**Filipendula** (Double-flowered Dropwort). Pretty fern-like foliage; white plummy flowers on slender 18-inch stems. Fine for cutting and very ornamental when not in bloom. Each 30c, per three 70c, dozen \$2.25, one hundred \$12.00.

**Ulmaria fl. pl.** (Meadow Sweet). Double white flowers, June-July. 3 ft. Hardy and true grower. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**STACHYS** (Woundwort).

**Lanata.** A splendid edging plant for situations requiring strong foliage contrasts. The dense-growing plant is a sheen of silvery white, the leaves having the substance and wooly surface of felt. Small spikes of light purple flowers appear in July and August. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**STATICE.**

**Latifolia** (Sea Lavender). A valuable and handsome plant with tufts of leathery leaves. Immense heads of light blue minute flowers, fine for cutting, and if cut and dried last in perfect condition for months. July and August. 1½ ft. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**STOKESIA** (Stoke's Aster).

**Cyanea.** One of the most charming hardy plants, blooming freely from July to October. Flowers of centaurea-shape, often measuring 4 to 5 inches across, making a rich show of lavender-blue. 1½ to 2 feet. Each 20c, per three 50c, dozen \$1.75, one hundred \$10.00.

**Cynea Alba.** Similar to above, but purest white; free blooming. Each 20c, per three 50c, dozen \$1.75, one hundred \$10.

**THALICTRUM.**

**Dipterocarpum.** Tall-growing plant; aquilegia-like foliage; light, airy flowers of rosy purple with yellow anthers. Suitable for partial shade. A decided acquisition to the perennial list. Each 30c per three 80c, dozen \$3.00.

**THYMUS SERPHYLLUM** (White Mountain Thyme). A very pretty rock or low border plant, forming a dense mat of glossy green foliage. Sometimes variegated yellow, with small white flowers. Leaves are very strongly lemon scented. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**TRILLIUM** (Wake Robin). Fine native for shady places in the border or in low, wet situation. Large white or pale pink flowers in early spring. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.

**TIARELLA CORDIFOLIA** (Foam Flower). A charming little native, about four inches tall, with short, foamy white spikes in early spring. Good ground cover for shady situations. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**TRITOMA** (Red-Hot Poker).

**Pfitzeri.** An improved type of most perfect form, and showing a marked predominance of scarlet, the opened flower petals merely being rimmed with orange. Each 25c, per three 70c, dozen \$2.50.

**Express.** Earliest of all Tritomas; very useful in the hardy border. Comes into bloom six weeks before *Pfitzeri*. For continuation of bloom use both sorts. Each 25c, per three 70c, dozen \$2.50, one hundred \$15.00.

**TROLLIUS Europaeus** (Orange Globe Flower). Giant yellow buttercup-like blooms. Glossy dark green foliage. Does well in partial shade. Each 50c.

**VALERIANA** (Garden Heliotrope).

**Coccinea.** Shows heads of flowers running in shades of shell-pink down to deep reddish rose. 3 to 4 feet. Each 20c, per three 50c, dozen \$1.35, one hundred \$8.00.

**Alba.** Pure white form of above. Each 20c, per three 50c, dozen \$1.35, one hundred \$8.00.

**Officinalis.** The finest valerian. Large heads of white, on stiffly upright stems 2½ to 3 ft. tall. Stately and beautiful. Fine for cutting. July. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.

**VERONICA.**

**Amethystina.** Amethyst-blue flowers in July and August. 2 feet. Each 20c, per three 50c, dozen \$1.50.

**Incana.** Bright silvery foliage with slender spikes of amethyst-blue flowers in July and August. For borders where lighter-colored foliage is wanted, this has no equal, giving all the effect of the geranium, Mme. Salleroy (Silver Leaf), with all the advantages of being hardy and fit for use year after year. 1 foot. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**Rupestris.** A fine plant for rockery or low border. Closely matted deep green foliage, completely hidden in May and June with clouds of bright blue flowers. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**Rupestris Carnea.** Identical with above, flowers shell pink with faint lavender tint. Each 25c, per three 70c, dozen \$2.00, one hundred \$10.00.

**Spicata Rosea.** Low growing foliage, with spikes of bright pink flowers about 1 ft. in height. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**Longifolia Subsessilis.** A pretty species with blue flowers produced on spikes a foot long. Comes into bloom in July and continues for a month. 2 feet. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**Veronica True Blue.** A Lissadell origination. Similar in growth to V. Amethystina, but remains stiffly upright when in bloom. Stem is about 16-18 inches, with flower spike of clear, deep blue, about 10 inches. The persistent blooming qualities of this veronica, June till frost, make it an ideal plant for the florist who wants something to run out and cut for basket work, as well as a fine item for the perennial border. It is perfectly hardy and is not particular as to soil or location, provided it has a fair share of sun. Field divisions, guaranteed to bloom. Each 35c, per three \$1.00, doz. \$3.00.

**VIOLA.**

**Cornuta.** The perennial Everblooming Pansy. Smaller than the pansy, but are constantly in full bloom from earliest spring till hard frosts. Invaluable in the hardy border. We offer white, yellow, and purple. Each 20c, per three 50c, dozen \$1.50, one hundred \$9.00.

**Cornuta, G. Wermig.** Small dark violet flowers on long stems, a veritable sheet of bloom the whole season. Those who admire Violet Princess of Wales will appreciate this easily grown substitute. Fine for cutting. Each 25c, per dozen \$2.50.

**NEW SCOTCH BORDER VIOLAS** (Huntington). Result of selection from the Storrie and Storrie stocks, and the best of these grown on from divisions. They are as large as good pansies, but they do not become discouraged by heat and drouth. As they become established, they are simply covered with bloom through frost till hard freeze. At this writing (Nov. 10th) they are covered with large flowers. Being very rank growers, they should be divided each spring for best results. Separate colors below are cutting grown and guaranteed without mixture. On account of their persistent blooming qualities, and the stable "exactly alike" shades of the cutting grown plants, they are ideal for borders in the formal garden. We will gladly send sample flowers to landscape architects or others who are working out a color scheme. From 2¼" pots.

**Cattleya Pink.** Self color. Each 25c, dozen \$2.50, one hundred \$18.00.

**Deep Rose.** Self color. Each 25c, dozen \$2.50, one hundred \$18.00.

**True Blue.** Beautiful shade of true blue. Each 25c, dozen \$2.50, one hundred \$18.

**White with Pale Blue Edge.** Extra large and free. Each 25c, dozen \$2.50, one hundred \$18.00.

**Yellow,** with two upper petals bright rose, a beauty. Each 25c, dozen \$2.50, one hundred \$18.00.

**Scotch Border Mixed.** The colors are wonderfully brilliant and include various shades of purple, yellow, crimson, white with a purple edge, purple and crimson, white and yellow. Each 25c, per three 70c, dozen \$2.00, one hundred \$12.00.

**VINCA (Myrtle).**

**Minor.** Fine evergreen creeper. Largely used for ground-cover in shady places where grass will not grow. Much used for covering graves. Single light blue flowers in June and July. Strong field roots. Each 20c, per three 50c, dozen \$1.50, one hundred \$8.00.

**VIOLETS.**

**Hardy Russian or English.** Perfectly hardy, sweet-scented; deep purple. The only real hardy sweet violet. Each 20c, per three 50c, dozen \$2.00, one hundred \$9.

**YUCCA.**

**Filamentosa** (Adam's Needle; Spanish Bayonet). A stately foliage and flowering plant. The broad, sword-like foliage is evergreen; mid-summer shows erect branching stems bearing a showy display of pendant, creamy white bells. Each 20c, per dozen \$2.00. Strong, 3-year plants, by express, each 30c, per dozen \$3.00.

# HARDY CLIMBING VINES

**AMPELOPSIS VEITCHII** (Boston Ivy). Dense foliage of fresh deep green. Fine for covering walls, porches or stone buildings or foundations. Mail size 25c, per dozen \$2.00, 2 yr. 50c, per dozen \$4.00.

**BIGNONIA RADICANS** (Trumpet Flower). A strong growing, woody vine, twining tightly around any support furnished. Orange scarlet, trumpet shaped flowers in clusters. Fine for covering old tree trunks, etc. Mail size, 25c, per dozen, \$2.50; 2 yr., each 40c, per dozen, \$4.00.

**CLEMATIS PANICULATA** (Japan Clematis). Flowers medium size, sweet scented. The whole plant is a sheet of white in September. Mail size, each 20c, per doz. \$2.00; 2 yr., each 50c, per dozen, \$4.00

**CELASTRUS SCANDENS** (Bitter Sweet). Glossy dark green foliage. Orange crimson clusters of fruits and berries, retained all winter. Fine for covering banks. 2 yr., each 50c, per dozen, \$4.00.

**ARISTOLOCHIA SIPHO** (Dutchman's Pipe). Dense cover of immense heart-shaped leaves. Fine for porches, screens, etc. Rapid grower. Each 75c, per dozen \$7; mail size, each 25c, dozen \$2.50.

**HONEYSUCKLE**. (Hall's Japan.) White and yellow, extremely fragrant almost evergreen, dark glossy leaves. The best honeysuckle. Mail size each 20c, per dozen \$2.00; 2 yr., each 50c, per dozen \$4.00.

**LYCIUM CHINENSE** (Matrimony Vine). Light green leaves, purple flowers. This vine will grow anywhere, and under any conditions, provided water, light, and soil. Mail size 25c, per dozen \$2.00; 2 yr. 50c, per dozen \$4.00.

**HEDERA HELIX** (English Ivy). Dark, glossy leaves, evergreen, fine for cemetery ground cover, or for foundations. Each 50c, per dozen \$5.00.

**POLYGONUM AUBERTII** (Silver Lace Vine or Everblooming Clematis). A fine, sturdy climber. Not only a good, quick cover, but a beautiful sight when covered with foamy white flowers during summer and fall. Adaptable to any position, soil, or climate. Each 50c, dozen \$5.00.

# ORNAMENTAL SHRUBS

**ALMOND**. Small double flowers of soft pink in very early spring, before the leaves appear. 3 to 4 ft. Each \$1.00, per 10, \$9.

**ALTHEA** (Rose of Sharon). Large bright colored flowers in August, September. Glossy, deep green foliage. Double Rose, Double White, Double Purple, Double Red, Double Striped, Double Variegated. 3 to 4 ft. Each 60c, per 10 \$5.00.

**ARALIA PENTAPHYLLA**. Long, slender, arching branches, bright green foliage. Greenish white flowers in umbels. Each 50c, per 10 \$4.50.

**AZALEA KAEMPFERII**. The hardiest azalea. These are grown from seeds, and wintered outside for four years in this cold climate. They should succeed anywhere. Shipped with large ball. Colors are mixed and run through dark rose to pale pinks, and orange red to bright reds. Give partial shade, and woods loam, and they will prove hardy to the Canadian line. 12 to 14 inch. \$2.00 each, \$20.00 per ten.

**Berberis Thunbergii** (Japan Barberry) No shrub is more planted than this. Dwarf, beautiful foliage in summer, in fall it becomes a veritable torchlight procession in ornamental edgings and hedges. 6 in. to 12 in. seedlings 10c each, 80c per 10, \$6.00 per 100; 2-yr. 18 in. to 24 in. 30c each, \$2.25 per 10, \$20.00 per 100.

**CALYCANTHUS FLORIDUS** (Sweet Shrub). The "strawberry shrub" of our childhood days. 18 to 24 in. 50c each, \$4.00 per 10. 2 to 3 ft. 60c each, \$5 per 10.

**CARAGANA ARBORESCENS** (Siberian Pea Shrub). Bright green leaves, clusters of small yellow flowers. 4 to 5 ft. 50c, \$4 per 10.

**CLETHRA AINFOLIA** (Sweet Pepper Bush) A handsome, well rounded little shrub. Showy creamy white flowers, very fragrant, in July and August. 18 to 24 in. 50c each, \$4 per 10; 2 to 3 ft. 60c each, \$5 per 10.

**CORNUS** (Dogwood). The shrubby dogwoods are much used in plantings for the handsome variegations of their foliage in summer and for their brilliant barks and berries in winter.

**Siberica**. Makes height of 6 to 10 feet. Clusters of fine white flowers with ornamental berries in fall. Stem and branches blood red in winter. 3 to 4 ft. 50c each, \$4.00 per 10.

**Paniculata** (Gray Dogwood). One of the best for tall shrub groups. Good sized white flowers in June, berries white, stems red, bark and back of leaves gray. 2 to 3 ft. 40c each, \$3.50 per 10.

**Stolonifera** (Red Ozier). Medium sized and spreading, dark red bark, white flowers and berries. 3 to 4 ft. 70c each, \$4 per 10.

Discount Gladioli 20% on all orders larger than \$1.00. One 15c bulb, our choice, added to orders over 75c.

Annual seeds in retail packets may be discounted 20% on all orders larger than \$1.00.

Trade packets and seeds by weight are net.

1. The first part of the paper is devoted to a discussion of the various methods which have been proposed for the determination of the rate of reaction of a substance with oxygen. It is shown that the most reliable method is that of measuring the volume of oxygen consumed, and that the method of measuring the weight of the substance before and after reaction is less reliable.

2. The second part of the paper is devoted to a discussion of the various factors which influence the rate of reaction of a substance with oxygen. It is shown that the rate of reaction is influenced by the nature of the substance, the temperature, the pressure, and the concentration of the reactants.

3. The third part of the paper is devoted to a discussion of the various theories which have been proposed to explain the rate of reaction of a substance with oxygen. It is shown that the most satisfactory theory is that of the collision theory, which states that the rate of reaction is proportional to the number of collisions between the reactant molecules.



**ORNAMENTAL SHRUBS—Continued**

**Spathii Aurea.** A striking yellow-barked form. 18 to 24 in. 60c each, \$5 per 10.

**Florida, Tree Form** (White Flowering Dogwood). Flowers white, saucer-like, very free, showy and durable. Foliage deep brilliant red in autumn. 3 to 4 ft. 75c each, \$6.50 per 10, 4 to 6 ft. \$1 each, \$8 per 10.

**DAPHNE Cneorum** (Garland Flower). Dwarf almost prostrate evergreen shrub. Blossoms are bright pink, and fragrance so delightful as to be compared by many to the Trailing Arbutus. Blooms in early spring, and again in September. Each \$1.00, per three \$2.75, per dozen \$11.00.

**DEUTZIA (Gracilis).** Dwarf, drooping, clouds of pure white flowers in May. Valuable for forcing. 18 to 24 in. 50c each, \$4 per 10.

**Pride of Rochester.** Flowers large, double white, in May. Makes height of 6 to 8 ft. 3 to 4 ft. 60c each, \$5 per 10.

**ELDER (Golden).** Quite necessary in the long border to vary the effect of continuous green. Foliage golden, flowers white, berries much larger than the native green. 2 to 3 ft. 70c, \$6 per 10.

**FORSYTHIA (Golden Bell).** These splendid shrubs the first of all to flower in spring, lighting up with their masses of yellow before the leaves think of appearing.

**Fortunei.** Upright, best for specimens.

**Intermedia.** The earliest of all.

Either of above, 2 to 3 ft. 50c each, \$4 per 10; 3 to 4 ft. 60c each, \$5 per 10.

**HONEYSUCKLES.** Bright and pretty flowers, followed by red berries in fall. Very rank growers.

**Bella Albida.** Flowers white, in fragrant clusters.

**Tartarian Red.** Bright red in early summer.

**Tartarian White.** White.

Any of above, 3 to 4 ft. 50c each, \$4 per 10.

**HYDRANGEA.** The massive flowers of this shrub are too well known to require description.

**Arborescens Grandiflora Alba** (Hills of Snow). Rather flat flower heads, about 5 to 6 inches across. Purest white. Aug. and Sept. 2 to 2½ ft. Each 50c, per 10 \$5.00.

**Paniculata Grandiflora.** Fine for tall hedges, or if planted in rich soil or cut back each spring, will get to be a dwarfed club with massive plumes. Either of above 18 to 24 in. 70c each, \$6.50 per 10; 2 to 3 ft. 80c each, \$7.50 per 10. Mail size, 25c each, \$2.00 per 10.

**Tree Shaped.** Fine for specimens, or background. 3 to 4 ft. \$1.25 each, \$10.00 per 10.

**LILAC.** Common purple or white. 3 to 4 ft. 50c each, \$4.00 per 10.

**PHILADELPHUS (Mock Orange).** One of the best and most popular old shrubs. Blooms very freely, white, with a rich creamy tinge, very fragrant.

**Aurea.** One of the best yellow foliage shrubs in cultivation. 12 in. 75c each, \$5.00 per ten.

**Gordonii.** Best late bloomer, July.

**Grandiflora.** Very large flowers in June. 3 to 4 ft. 50c each, \$4.00 per 10; 4 to 6 ft. 60c each, \$5.00 per 10. Mail size, 20c each, \$1.75 per 10.

**Philadelphus Virginale.** The largest flowered really hardy Philadelphus. Not as tall as Coronarius, more compact in growth. A very free bloomer, often showing straggling flowers all summer and fall. Very fragrant. Nice stock, 18-24 in. 75c each, \$7.00 per dozen.

**PRUNUS PISSARDI (Purple Leaf Plum).** A distinct and handsome little tree. Masses of small white flowers in spring. Showing pinkish purple leaves that deepen in color toward the end of the season. 3 to 4 ft. 85c each, \$7.50 per 10; 4 to 5 ft. \$1.00 each, \$9.00 per 10.

**PRIVET (Ligustrum).** One of our best known hedge plants. Also makes fine specimens and good lawn groups. Almost evergreen.

**Amoor.** Similar in form and habit to the California. Not so shiny, but hardy in the coldest climate. 18 to 24 in. 30c each, \$2.50 per 10, \$15 per 100; 2 to 3 ft. 35c each, \$3.00 per 10, \$18 per 100.

**California.** Probably the most planted of all hedge plants. Equally pretty for groups and specimens. Shears nicely to any shape. 12 to 18 in. 15c each, \$1.00 per 10, \$8 per 100; 18 to 24 in., 20c each, \$1.75 per 10, \$10 per 100; 2 to 3 ft. 25c each, \$2 per 10, \$12 per 100.

**Regels.** A dense shrub with stiff spreading branches, drooping at the ends. A fine specimen. 18 to 24 in. 35c each, \$3.25 per 10, \$25.00 per 100. Mail size, 20c each, \$1.50 per 10.

**RHUS (Sumac).** Largely used for the tropical effect of their finely cut leaves and their gorgeous crimson effect in autumn.

**Glabra.** Grows to a small tree, flowers in July, followed by crimson terminal fruits.

**Typhina.** Picturesque and rugged, flowers in June and July, followed by large red fruits.

Either of above, 2 to 3 ft. 50c each, \$4.50 per 10; 4 to 5 ft. 65c each, \$5.50 per 10.

**SYMPHORACARPUS.** Very useful in shady situations, highly valued for their bright persistent fruits.

**Snowberry.** Large clusters of milk-white fruits, which remain far into the winter.

**Red Snowberry.** Similar to the snowberry, except that its fruits are red and smaller, clustered in thick ropes along the drooping stems. 2 to 3 ft. 50c each, \$4.00 per 10; 3 to 4 ft. 70c each, \$6.00 per 10.

**ORNAMENTAL SHRUBS—Continued**

**SPIREA.** Wonderfully free blooming shrubs largely used in all plantings. Their hardiness and adaptability to all climates makes them valuable beyond any other shrub.

**DWARF SPIREAS**

**Normanii.** An extra dwarf form of *A. Waterer*, discovered on the grounds of T. R. Norman, a Painesville grower. Of neat habit, seldom over 12 in. tall, well rounded form, and quite free of bloom in same form and shade as *Waterer*. Unlike *Waterer*, it has a very desirable habit of covering the unsightly spent flower heads with foliage as soon as through blooming. The whole plant turns a fiery red in fall. An ideal border shrub, and also very useful for low massing, under windows, terraces, etc. It is perfectly hardy and will do well in north exposures. Each 75c, per dozen \$7.50.

**Anthony Waterer.** Dwarf, bushy, spreading type, very free flowering. The very best showy red flowered shrub for low groups or in foundation plantings. 12 to 15 in. 60c each, \$5.00 per 10; 15 to 18 in. 75c each, \$6.50 per 10.

**Callosa Alba.** Similar to *Anthony Waterer*, flower is white. Same price as *A. Waterer*.

**STANDARD SPIREAS**

**Opulifolia (Nine Bark).** Of bright growth reaching 8 to 10 ft., white flowers in June. Same price as *Van Houtte*.

**Aurea (Golden Spirea).** Similar to above, young foliage of bright yellow, changing to golden bronze in fall. Same price as *Van Houtte*.

**Thunbergii.** Forms a dense, fluffy shrub of dark green. Much used in "filling" borders and foundation plantings. Flowers minute, pure white very early in spring. One of the handsomest foliage plants in the ornamental list. 50c each, \$4.50 per 10; 2 to 3 ft. 60c each, \$5.00 per 10.

**Van Houtte.** The finest spirea and one of the very best of all shrubs. Showers of pure white bloom in May and June. Very attractive throughout the year. Our stock of this is very large. Above unless noted, 2 to 3 ft. 40c each, \$3.50 per 10; 3 to 4 ft. 50c each, \$4.50 per 10; 4 to 5 ft. 65c each, \$6.00 per 10.

**STEPHANANDRA FLEXUOSA.** An attractive 3 ft. shrub, especially adapted for borders or planting on banks. Handsome, deeply cut foliage, white flowers in June. 18 to 24 in. 50c each, \$4.00 per 10.

**TAMARIX AFRICANA.** Tall growing, 8 to 12 ft. high, fine feathery foliage, much used for Oriental effects. Showers of small soft pink flowers in April and May. 4 to 5 ft. 60c each, \$5 per 10.

**VIBURNUM (Sterilis).** The old true Snowball, always present on Decoration Day. 2 to 3 ft. 50c each, \$4 per 10; 3 to 4 ft. 60c each, \$5 per 10.

**WEIGELIA.** Most useful and beautiful ornamentals, finishing to about 7 ft. Flowering profusely in May, June and July. Colors are always good and flowers well arranged on the branches.

**Eva Rathke.** The lowest growing and most distinct of the Weigelas. Flowers deep carmine red, and almost ever-blooming. 2 to 3 ft. 85c each, \$7.50 per 10.

**Rosea (True).** Deep pink flowers in June, and sparsely during the summer. 2-3 ft. 60c each, \$5 per 10; 3 to 4 ft. extra heavy. 70c each, \$6 per 10.

**Rosea Variegata.** Leaves broadly margined, creamy white, pink flowers. A valuable variegated shrub. 18 to 24 in. 50c each, \$4 per 10.

Any of the above shrubs can be had in mailing size, that will make up nicely in one season, at 20c each, \$1.50 per 10, \$7.00 per 100.

**EUONYMUS Radicans.** A fine evergreen creeper, with dark green leaves, lightly veined white. Good ground cover, or for walls or rockery. 8 to 12 in. each 40c, per three \$1.00, per dozen \$3.00.

**R. Variegata.** Same as above, but leaves are brightly marked with distinct blotches and stripes of white. Each 40c, per three \$1.00, per dozen \$3.00.

**Vegetus.** Unsurpassed as a low wall cover or for heavy border. A close grower, with glossy, bright green evergreen leaves. Orange red berries throughout the winter. 2 year. Each 60c, per three \$1.50, per dozen \$6.00.

# Roses

Spring planted roses should be set as early as ground can be worked, for best results. All but the climbers below should be cut back to about six to eight inches when planted. If desired, we will be glad to ship ready to plant. We will be glad to mail one sample plant to intending buyers, for the price of one plant, plus 5c for mailing. In case stock is not satisfactory, this will be refunded on request. Our list is short, but each one is as good as can be found in its color and shade. All are heavy budded two year plants, guaranteed to arrive at destination in good order.

## HYBRID PERPETUAL, OR MONTHLY

This class, while called "monthly," give their main crop of flowers in June, then straggling bloom until fall, when they generally again show a good crop. Hardier and stronger growing than the Hybrid Teas.

**Frau Karl Druschki.** Classed in America with H. P., in Europe it is classed with H. Tea. True perpetual bloomer, and strong grower. Purest white.

**Clio.** Delicate satin blush, with light shading of rosy pink at center.

**Gen. Jacqueminot.** Familiarly known as "Jack". Rich crimson scarlet.

**Mrs. J. H. Laing.** A favorite, soft, clear pink, wonderfully free and persistent.

**Ulrich Brunner.** Pure cherry, a favorite for forcing.

**Paul Neyron.** One of the finest and largest roses ever grown. In bloom from June to November. Long thornless stems, with flowers from four to six inches across. Color, bright pink.

## HYBRID TEAS

**Betty.** A combination of ruddy yellow and coppery rose. Beautiful.

**Lady Alice Stanley.** A fine flower of delicate pink, large and free.

**Gen. MacArthur.** Dazzling crimson scarlet, extra fragrant. One of the best roses ever offered.

**Grus an Teplitz.** The one red bedding rose. Dark, velvety crimson. This rose will

show more bloom than any other rose in cultivation. A slender but strong grower, very hardy; in all ways desirable. Simply covered with flowers from June till frost. Agreeable honey fragrance.

**Killarney White.** Long typical "tea" buds of purest white, wonderfully scented.

**Killarney Pink.** Identical with above in soft, clear pink. Extra fragrant.

**Columbia.** Bright pink, strong grower, long stems. Fine.

**Etoile de France.** Vivid crimson, long pointed buds. Persistent bloomer, fragrant.

**Mad. E. Herriott.** Coral red overlaid yellow, with flashes of rosy scarlet. Free.

**Mme. Caroline Testout.** Satiny rose, steady bloomer, strong grower.

**Duchess of Wellington.** Saffron yellow. Vigorous.

**Miss Lolita Armour.** Combination of coppery red and golden yellow. A rose of great fragrance and vigor, very fragrant.

**Los Angeles.** Flame pink and coral, shaded yellow. Very fragrant. One of the finest roses.

**Mrs. Aaron Ward.** Combination of coppery orange and fawn. Glossy green foliage. A beautiful little bud.

**Edward Mawley.** Deep crimson, fragrant, good bloomer.

**J. L. Mock.** Outside of petals rosy white, inside pink. A strong grower and free bloomer.

## Climbing Roses

**Climbing American Beauty.** Rich carmine, heavy grower.

**Flower of Fairfield.** Carmine crimson, resembles Crimson Rambler except that it shows everblooming tendencies.

**Paul's Scarlet.** Vivid scarlet, shaded crimson. Strong.

**Silver Moon.** Clear silvery white, with prominent yellow stamens. The best white climber.

**Dorothy Perkins.** The standard climbing shell pink.

**Tausendschon.** (Thousand Beauties). Varies from white to deep pink, blooms in clusters.

## PRICES OF ROSES

All climbing roses 75c each, per ten \$6.00, express collect.

All H. T. roses, each 85c, per ten \$7.75, by express collect.

All H. P. roses each 75c, per ten \$6.00, express collect. If wanted by mail, add 5c per plant.

If wanted by mail, add 5c per plant for postage



### Extra

We have a small stock of *Viburnum Carlesii* to offer in 20" to 24" size, at \$2.25 each, \$24 per dozen.

This is one of the finest shrubs in cultivation. Blooms are like a miniature *Kalmia*, quite free, and fragrance equal to *Daphne* or *Trailing Arbutus*. It is not rugged, neither is it especially hard to grow. Above prices are balled and burlapped and F. O. B. Painesville.

# Concerning Perennial Seeds and a Few Others

Poor germination of seeds makes a fine chance to lay something up against the long suffering seedsman. I think, from years of experience with him, that the average seedsman is doing his level best to get you something that will produce results, and to give you a dollar for the dollar you spend with him. Barring a few scarce perennial seeds, I doubt if there are any seeds held over for one year. Failure may result from so many causes that even our expert growers are not likely to lay failure to old seeds on a first trial. Many items either must be fall planted, or are better planted at that time. These are, and have been for many years, a source of complaint, and of dark suspicion that the seedsman is sending out antiques. Among these are Adonis, Aetheoppapus, Anthericum, Apocynum, Asperula, Cassia, Colchicum, Convallaria, Cirsium, Dientra, Dictamnus, Ferula, Echinops, Gunnera, Hedysarium, Helleborus, Heracleum, Hypericum, Liatris, Morina, Oenothera (Missouriensis), Par-danthus, Peony, Phlox, Sidalcea, Spirea, Trollius, about all vine and shrub seeds. Above items, if planted in frames in fall, or if planted outside, and given some light covering to prevent heaving, will at once remove all suspicion as to any advanced age.

Then there's the really fine seeds, many of which should not be covered at all. Heuchera, Lobelia, Leontopodium, Gnaphalium, Erinus, Androsace and Giant Petunia, and other fine annuals, either should be covered very lightly, or else not covered at all.

Each spring we plant about two acres of perennial seeds, as time and weather will allow, from about April first to May fifteenth. Such large items as Hollyhock, Mallow, Centaurea, Gaillardia, Coreopsis, and like, invariably, barring accidents, give us a good stand, but the finer and more uncertain Campanula, Digitalis, Aquilegia (note that I offer these in two sections), Agrostemma, Double and finer Hybrid Delphiniums (Belladonna and Bellamosa are sure fire outside) Lychnis, and other medium fine seeds often fail, or after germinating meet up with weather conditions that put them out of the running. We expect little from these, however, and make all preparations to handle them in frames. When we do get a stand of them outside it saves much labor and time, so we always try them outside first.

When the grower is not able to be constantly with the seedlings, the ideal summer cover for the frames is common cotton cloth, next best is lath frames, spacing lath about  $\frac{1}{2}$ " apart. We also use glass, covered well with a paint made from white lead thinned with gasoline. This shades during hot weather and is mostly washed off by fall.

Prepare all seed beds, either frames or outside, by thorough plowing or spading, and raking, then for fine seeds level the soil and firm it lightly, scatter the seeds thinly, first seeing that the planting space is level, so that the seeds will not wash to one corner of the little block when watering. Then screen soil over the seeds to the depth of the size of the seeds, or so that they are just covered from sight. Water lightly with a fine sprinkler and await results. Do not allow the soil to bake.

**DON'T**—Plant seeds deeper than the size of the seeds.

Plant fine seeds in full sun in hot weather (Coarse seeds will do for you about as would lettuce, carrot, beet, or like items).

Plant seedlings out in the fall. Let them stand in seed rows or frame till spring, with light mulch.

Water too much, or with too heavy force. This breaks the tender little plants, and causes damping.

Use too much fertilizer on the little seedlings. Let them get large enough to "eat."

You will never get germination from poor seeds, but you will often get poor germination from perfectly good seeds, at least we do. The trouble lies almost invariably with something done wrong, too heavy, too light, covering; too much, too little water; wrong soil; too much, too little air. Use your plant or seed sense, study your conditions and you will be richly rewarded for a little time and less money spent in the most fascinating branch of gardening.

I will gladly help solve your planting problems, but please remember that you are one of many, and that I'm busy. Don't write until you know you cannot get results yourself.

Respectfully,

R. E. Huntington.

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IF OUR LIST OF PERENNIAL SEEDS IS NOT WITH THIS, WRITE FOR IT. IT IS THE MOST COMPLETE IN AMERICA.

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